G. R. S. IX-5]

Previous references.

Preserve
MM 13-11-31

File No. 42-16.

191 7.

(L. B.)

Serial Nos.

3, 9, 11, 17, 19, 24, 27, 32, 39, 43, 44 & 46.

Later references.

45-17 SC 5, 10.
77-17-1, 2 B Nov 17.
~~L. B.~~ 45-17 SC 18, 21 A, 22.
L. B, 45-17 SC 18, 21 A, 22.
SC. 79-22 B 6, 7, 14, 17, 19, 20, 22.

GENERAL AND REVENUE SECRETARIAT.

Serial Nos. 3, 9, 11, 17, 19, 24, 27, 32, 39, 40, 43, 44, 46.

Part B for June 17

SUBJECT.

The Dy: Commr, Chittedroog, suggests that a suitable portable pump for boring out water wells & necessary appliances may be supplied to his district.

Rural water Supply
Providing water wells for rural parts—

No 8197 Dt 26.6.17 To the Director I&E.

States that the matter should be arranged in consultation with the D.C. Chittedroog

as 26.7.17

W D 88—GPB—50,000—24-7-16

G. R. S. 12]

(2)

General and Revenue Secretariat. | LB File No. 42 of 1916-17.

Serial No. (2) May the departments of Industries and Geology be consulted in regard to the nature of appliances they would recommend

(3) If it is decided that the appliances should be manufactured locally the Public Works Deptt will have to be consulted as to the feasibility of manufacturing such appliances and also to the supply of a pump to the Chitaldrug Dt temporarily

KP.
31.7.16

(4) Forwarded with Compliments to the Director of Industries for favour of remarks

By order
W. M. Bowden
Jr Secy to Govt
Rev Dept

Dy No. 759
4.8.16

Bangalore
2nd Aug. 1916

R.O. No. 12916
D 3.8.16.

NOTE—Contn. sheet.

GPB—70,000—17-12-15

549
5.8.16

GEN. & REV. DEPTT.
8 AUG 1916

(5) I quite agree with Mr. Balasundaram Iyer as to the necessity of boring tools and improved arrangements for sinking deep wells. The only point on which I differ from him is that I think it will be useless to place such tools and plant in the hands of an Overseer under the District Board. The work should be started in the Department of Industries and regarded as analogous to the work of installing engines and pumps and other machinery.

(6) In the first number of the Mysore Economic Journal I ~~submitted~~ outlined a scheme which might now very well be carried out. I may add that the Department of Industries in Madras have about four power-driven sets of boring tools and about 30 sets of hand tools. The conditions, of course, in Madras are much more favourable than in Mysore. It is, I consider, urgently necessary to take action on these lines and a lump-sum grant of Rs.10,000/- will be required to start work. There will be some difficulty about getting a trained boring engineer to take up this work and enquiries will have to be made. He will require a salary, varying with his experience, of from Rs.100/- to Rs.200/- a month. As all boring work will ~~have to~~ should be paid for, it should be possible to recover the greater part of the expenditure on establishment but the wear and tear on the tools and plant is very heavy and it will be impossible to do any work with a less grant of Rs.300/- a month. credit also being given to such receipts as may be earned.

S P Chatterji

Director of Industries & Commerce

F. R. S. 12]

General and Revenue Secretariat.

L.B. File No. 42 of 1916-17

Serial No.	
	will be supplied by the Mines Dept (Chain 2 marked in 2 maps are shown with) (13) Supply of a portable pump also required (14) Power. The D. of Mines in conjunction with Messrs Gammon & Co are to report suitable machinery - particularly the Belt Mills must be run. The Mines Dept may submit proposal including supply of Diesel Engine & Mills charge of this work & other machinery in the State.

Y
29.8 Ltr 29/8

(15) Draft in accordance with the above views is submitted for orders with a routine note. 43 29/8/16

K.P. K. 29.8.16 (16) The Dy. C. is to be applied... It is believed that the four Dists for trial are to be taken up one after the other at the discretion of the Engr in charge of the plant under orders of the Dir. of Industries...

(17) It is to be understood that

NOTE—Contn. sheet.

GPB—25,000—22-3-15

127

G. R. S. 12]

General and Revenue Secretariat. | L.P. File No. 42 of 1916. 7

Serial No. 11.

From

The Dy Comm Mysore Dt No C 1321 dt 24

Requests that Govt. may be pleased to allow the use of Musto's patent for sinking wells in the Mysore Dt.

22. The use of the Musto's patent in 2 maidan and 2 malnad districts has been sanctioned though it has not been decided in which districts in particular the plant has to be tried and in what order. If more than one district badly wants the plant at the same time more than one plant may be necessary. Subd for orders

KP

30/10

23. How many Dy Cmrs have applied for the use of the Patent

Rec'd 31.10.16

D.
1.11.

24. Only Chitaldrug & Mysore Dts now

D.
1/11

25. Subd for orders

D. M.
4.11.16

Rec: Secretary)

26. Submitted proposal for purchase of another plant for the Mysore District.

2nd Member)
Dewan)

211
8.11.16.

6/11/1916

D. M.
6.11.16

NOTE—Contn. sheet.

GPB—70.000—17-12-15

g

1994

(9)

[I. R. S. 12]

General and Revenue Secretariat.

File No. 2B42 of 1916.

Serial No. 17

To. The Dy Commr - Mysore Dt
The Comptroller, M.G.
The Director of Agr.
The Rev. Commr in Mysore,
The Chief Engineer.

No. 3905-9 dy 19.12.916.

Sanctions the purchase of a Separate plant for use in the Mysore Dt

19

From

The Dy Commr Mysore Dt. No. C 1321/LB dy 22.12.16.

Requests sanction to the purchase of a portable pump for use in Connection with well operations in the district.

(34) The cost of the pump proposed to be purchased is not stated. ~~Draft asking for the cost is prepd.~~ Draft 2o inquiring what pump would be suitable and what it would cost is put up. Draft put up for approval.

LM

K.P. 28.12.16

Draft reminder to the Director of Industries with ref to G.O. No. 35-45-Ag dy 13.10.

8&16

2/1/17

2nd reminder

(35) Draft of order Sanctg pumps is put up

The matter may be urgent & Draft Sanctd in the absence of the 2nd Member

Recd (36) Issue - I note that the cost has not been intimated but has been called for now. ~~Has to be awaited. Meanwhile~~

KP 3/1/17

KP 6/1 DO 7.1.17

NOTE—Contn. sheet.

G.H.V. 5/1

GPB—70,000—17-12-15

WD 1233—GPB—60,000—1-12-16—S.

(10)

G. R. S. III-2]

General and Revenue Secretariat.

File No. LB 42 of 191 16

Serial No.

24 To The Deputy Commissioner Mysore & The Comptroller, Mysore Govt.
No 4293-4 dt 9.1.1917

Sanctions the purchase of a portable pump for bailing out water from wells during the course of execution as the coal being met from the allotment for Drilling water wells in the Mysore District

27 From The Offg. Director of Industries & Commerce
No 2464 dt 18 Jan'y

Reports that he has doubts about the utility of Mustoo boring plants in Mysore and that he will report the results of his experiments with one set which he is arranging to purchase. (37) This will be kept in view while considering the ~~proposals~~ applications if any, from purchasing more sets when received.

The Director of Industries has not suggested suitable machinery for protecting the sides of wells during execution nor sent up proposals for entertainment Mechanical Engineers as called for in paras 4 & 5 of G.O. No 35-45 dt 13-10-16 Comp 462-16

Submitted for orders

KP (38) for Mr. Chatterton's views and in

23.1.17

24/1

U

LMM

NOTE—Contn. sheet.

12

G.R.S. III—3]

Routine Notes.

[To be used only for notes, requisitions, etc., not intended for permanent record.]

Subd. to the Secretary E. & A.

155.
21.3.17. 41

The 2nd Member desires to ~~know~~ information
~~ascertain~~ about supply by the Dir. of Industries & Commerce of the pumps &c to the Deputy Commissioners for well works.

RA.
21/3/17

Mis 5-52-16

JoB&T
21/3/1

TKR
21/3

Dm.
21/3

42. The connected file A&E 39-16 is submitted.

Report from the Dir of Ind & Com is awaited. Reminders are being issued.

21.3.17 21/3/17

Dm.
22/3.

220
22-3-17

43. This is the file
there also inquiry
from Plant & Plant
for Chelsea Engine
There Tubing that
This is the Rev Dept Up
to.

N.B.—Should routine notes be written on small slips, the notes must be copied, or slips pasted on this form.

W.D. 81—GPB—60,000—20-7-16

13

G.R.S. III—31

Routine Notes.

[To be used only for notes, requisitions, etc., not intended for permanent record.]

44 Please put up the file ... [illegible]
no mistakes
[illegible] 23/3

£7 ms & 271-16

45. To Branch VI Kindly put up the G.O in question
[illegible] 26/3

46. The entire file relating to the sanctioning of the Musto's Plant is submitted
[illegible]
(G.O. no 35-45 dated 13-10-16
Br VI
[illegible] 28/3

Flag W
ms 552-16 E & A

Subd with the entire file.
[illegible]
23/3

47. 27/3
26-3-17

IV Member

Please see [illegible]
[illegible]
[illegible]
[illegible]

[illegible] Draft please
[illegible] 27/3

N.B.—Should routine notes be written on small slips, the notes must be copied, or slips pasted on this form.

W.D. 84—GPB—60,000—20-7-16

[illegible] 28/3

G.R.S. III—3]

15

Routine Notes.

[To be used only for notes, requisitions, etc., not intended for permanent record.]

51

L

P.U.D

It is clear from the Director's letters No. 8246 dt 18/1/17 & No. 3746 dt 5.4.17 that he has ordered for a machine. But information as to the exact date on which he placed the order is not available

52 A letter since received from the Deputy Commissioner of Mysore (No. C. 1321 dt 10/4/1917) stating that the machine has not yet been supplied to him is also submitted for information.

(Refer. para 10)

14/4/17

53 The Director's letter was laid before the Secretary Member when he passed orders on 13-4-17

Put up draft dt 14/4/17 as per his orders

12/4-17

N.B.—Should routine notes be written on small slips, the notes must be copied, or slips pasted on this form.

W.D. 84—GPB—60,000—20-7-16

G.R.S. III—3]

Routine Notes.

[To be used only for notes, requisitions, etc., not intended for permanent record.]

5. Resubmitted for orders.

The plant now received is probably one separately ordered by the Director for conducting experiments with a view to, etc utility (vide his letter No. 24679 of 18-1-1917) with reference to this the Member has observed in para 39 page 11 of office notes that the results will be awaited with interest.

While sanctioning the purchase of a machine to Chitaldrug district Government have directed that the plant should be in charge of the I & C. Deptt. (Vide G.O. No. 35-45 of 13-10-16). Sanction for the purchase of a plant to Mysore District also has subsequently been accorded

Orders are solicited whether the Director may be requested to buy it in the Chitaldrug District in the first instance

A letter received from the

N.B.—Should routine notes be written on small slips, the notes must be copied, or slips pasted on this form.

W.D. 84—GPB—60,000—20-7-16

W1) 1233—GPB—60,000—1-12-16—S.

G. R. S. III-2)

General and Revenue Secretariat.

19

LB File No. 42 of 1916.

Serial No.

Draft- requesting the Director of Industries & hand over the Asbestos plant & the D.C. Chitaldrug is put up for approval. Kind attention is invited to Director's letter, (portion marked A Flag A) dated 18th Jan' 17, from which one is led to infer that the Director was arranging & purchase one set for his own Deptt.

60.

08/9.5.17

2nd Member) 21.5

MK 21/5

May the draft issue
LB. 21/5.

MK 21/5

40 To The Director of I & C

No. 7460 of 24.5.1917.

Requests that the machinery might be handed over to the President, Dt. Bd. Chitaldrug at whose instance it was purchased making necessary arrangements for conducting experiments with it.

To. The President, Dt. Bd. Chitaldrug.

No. 7461 of 24.5.1917

forwards copy of the above with reference to his letter No. 1187 of 1/2.5.1917.

NOTE—Contn. sheet.

WD 1233—GPB—60,000—1-12-16—S.

3746

20

G. R. S. III-2]

General and Revenue Secretariat.

LB. File No. 42 of 1916

Serial No. 43. From

The Director of Industries & Commerce
No. 1055 dt. 15.6.1917.

Enquires whether the machinery should be sent to the President, Dt. Board, prior to attaining any results of experiments which are now being conducted at Bangalore under his direct supervision & before training the staff to handle the plant.

61.

Subd for orders.

8/6/17 20/6/1917

62. Rec'd)

20/6/17

63 2nd member

21.6.17.

20/3/21-6-17

64. The wheels and engine have all been Carefully tested by Capt Chitaldrug - who is responsible for the working of the plant successfully during absence on leave & regrets he may be required

C. 22/6

22/6

12-6

WD 1233—GPB—60,000—1-12-16—S.

21

(T. R. S. III-2]

General and Revenue Secretariat. | LB File No. 42 of 1916

Serial No. 65.

Submitted with draft-
SMH ARR 22.6.1917. (Now seen) MK 23/6

6. Extract from the abstract of Tappal submitted to Second Member on 22.6.1917

Subject. Letter from the Director of I & C forwarding a copy of note on well sinking sent to all Deputy Commissioners.

Second Member's orders thereon "Please put-up into A.R.B

424 From

The Director of Industries & Commerce
No. 6702 dt. 15/20.6.1917.

Forwards a copy of his note on well sinking and the working of the Mouton's spring stroke boring plant.

67 Subd in accordance with the Second Members orders as above.

Orders are also solicited as to whether the draft put-up and approved by Hon'ble Secy may issue

SMH ARR 23.6.1917. (and Member) 68

The draft may issue after perusal by member. MK 23/6

WM 23/6 AM

Issue

NOTE—Contn. sheet. 25/1 25-6-17

GPB—50,000—25-9-15

From 16/7/1916 The Deputy Commissioner Chitaldrug

To The Secretary to Govt. Revenue Dept. Bangalore

Dated 26.7.16

Despatched 27.7.16

Received

General No. C. no 21 dt 4.8.16

No. 1617

Enclosure No.

Soliciting sanction to the purchase of the Musto's Patent Plant for Rs. 2200 nearly from Messrs Richardson & Cruddas Bombay & for providing this District with a portable oil engine to pump water from depth of about 50 to 60 ft

D 390

C no 21 29-4-17
1617

Office of the President, District Board
Chitaldrug District.
Dated Chitaldrug, 27th July 1916.

L.B. 42-16-3

C. S. Balasundaram Iyer Esquire B.A.
President, District Board,
C H I T A L D R U G.

To

L. Krishna Rao Esquire,
Offg: Secretary to the Government of
His Highness the Maharaja of Mysore,
Revenue Department Bangalore.

S I R,

Adverting to Government order No.184-95/L.B.12-15-43 dated 8th July 1916 issuing instructions in connection with securing better progress in re the Drinking Water Wells, I have the honor to submit the following points for consideration and early orders:-

1. In this District, the water level is rather low and wells have to be sunk 50' ~~to~~ or 60' if a permanent supply is to be secured. In many cases the top soil to a depth of 20 to 30 feet is soft and collapses very suddenly. The people therefore find it difficult to dig the well to a sufficient depth before the sides collapse. If the sides collapse the surface excavation becomes unmanageably large and renders a great deal of expense necessary. The well has to be made of an unnecessarily large diameter while the depth is quite inadequate. Again, hard rock is very frequently met with at depths below 20 to 30 feet and this has to be blasted. The ordinary workmen available in the District have very little knowledge of blasting and in such cases special workmen have to be got from elsewhere who require large advances and who very often run away. Contractors are consequently put to loss and work is delayed a great deal. Further in the case of deep wells the ordinary arrangements for bailing out water prove inefficient and inadequate with the result that deep excavation becomes impossible and a shallow well is revetted as soon as a small quantity of water is met with.

S. 281

Machinery for boring Drinking Water wells.

Srs-1416

Jan Draft

File No. 42/16

Serial No. 9

Diary No. of letter replied to 390

Proceedings of the Government of His Highness the Maharaja of Mysore

GENERAL AND REVENUE SECRETARIAT.

(GB)

the 191

Date of issue 13-10-16

Signed by Mr L. Krishnaden

READ—

G.O. No. 184-95/GB 12-15-43 dated the 8th July 1916 issuing instructions in the matter of Sinking Drinking water wells.

~~ORDER THEREON. No.~~

Paper under disposal

To be typed as an enclosure with order.

2) The accompanying letter No. C 2187/16-17 dated 27th July 1916 from the Deputy Commissioner, Chitaldrug, District requesting sanction to the purchase of a Musto Patent

over.

SUBJECT.

GPB—50,000—4-12-12

13/10/16

Spring Stroke boring plant at a cost
of Rs 2200 and to the supply of
~~a pump~~ a portable pump to
bale out water and suitable
appliances for protecting the
sides of wells during Construction

Order No 35-45/Camp, Mysore Dated ~~12.10.16~~

The proposal to purchase
Mustor patent Spring Stroke
boring plant is sanctioned
~~the cost being debited to the~~
~~allotment for wells~~

The Department of Industries
~~Shall~~ will be in charge of the plant
and provide a competent
Engineer to look after the same
The cost will be debited to the allotment for wells
The plant should be used in
4 districts (2 malnad + 2 maidan)
as an experimental measure
and if successful will be
supplied to the other districts
3. The supply of a portable
pump is also sanctioned.

G. R. S. 27]

GENERAL AND REVENUE SECRETARIAT.

(*Continuation sheet draft form.*)

4

3. The Director of Industries ~~is to be~~ is requested to suggest in Consultation with the Public Works Dept ~~Dr Smeeth, the State Geologist~~, suitable machinery for protecting the wells while under Construction

The Director of Industries is requested to ~~may also~~ submit proposals for entertaining a sufficient number of mechanical Engineers to take charge of this work and other machinery in the State

W/s. 9

W/ 7-9-14

9-9-14

Offg Secretary to Govt

Rev Dept

To The Dy Comm, Chitaldrug

" Other Dy Commrs.

" Comptroller

" Director of Industries &c

~~Dr Smeeth the State Geologist~~

" Chief Engineer,

P. W. Commr &c.

PB—20,000—7-7-14

D 1277

No. C 1221 L.B. (916-17) 42-16-1

Office of the Deputy Commissioner

Mysore District

Mysore, dated 24th October 1916.

26

From

K. Matthan, Esq., B.A.,

Deputy Commissioner,

Mysore District

To

L. Krishna Rao, Esq.,

Offg. Secretary to the Government of Mysore,

Revenue Departments,

Sir.

Adverting to Government Proceedings No. 35-45/L.B. 42-16 dated 13th October 1916 sanctioning the purchase of Musto's patent spring stroke boring plant for being used as an experimental measure in 2 malnad and 2 maidan Districts, I have the honor to request that Government may be pleased to sanction the use of the plant in this District also.

I have the honor to be

Sir

Your most obedient servant

Deputy Commissioner,

Mysore District.

GPB—50,000—17-9-15

19 28 OCT 1916

From K. Matthan. Esq. B.A.

Deputy Commissioner,

Mysore District.

To

L. Krishna Rao, Esq.
Offg Secretary to the Government of
H.H the Maharaja of Mysore, Revenue
Departments, Bangalore.

Dated 24th October 1916.

Despatched 26

Received

General No. C1321 L.B.
No. 1916-17

Enclosure No.

Requesting sanction the use of --
Munsto's patent spring stroke boring-
plant

GEN. & REV. SECRETARIAT
IV
L. FUND.
27 DEC 1916

No. C 1321 dt 16-17 / D 1994 / LB 42-16-19

Office of the Deputy Commissioner
Mysore District
Mysore, dated 22nd December 1913.

From

K. Matthan, Esq., B.A.,
Deputy Commissioner, Mysore District

To

L. Krishna Rao, Esq.,
Offg. Secretary to the Government of H.H. the
Maharaja of Mysore, Revenue Department
Bangalore.

Sir,

Adverting to Government Proceedings No. 3905-9/L.B. 42-16-17 dated 19th December 1916 sanctioning the purchase of a separate "Mustoo patent spring stroke boring plant" for this District, I have the honor to state that the supply of a portable pump is also necessary. I have found during my recent inspections that in many cases the progress of well works is retarded owing to the presence of a large quantity of water in them. Where the quantity of water is too great to be dealt with baling, a pump is necessary. I request therefore that Government may be pleased to sanction the purchase of a portable pump also for this District only.

I have the honor to be
Sir
Your most obedient servant

Deputy Commissioner,
Mysore District

C/1321 dB
16-17

191

GEN. & REV. SECT.
26 DEC 1916

From, The Deputy Commissioner
Kolar.

To
The Secretary to the Govern
ment of Mysore, Revenue
Departments, Bangalor

Dated 22nd Dec 1916.

Despatched —

Received

General No.
No.

Enclosure No.

Requesting sanction for
the purchase of a portable
lamp for use in this district.

GEN. SEC. TYPIST
G.R.S. 28] 5 JAN 1917
SECRETARIAT.

re Pump for drinking water wells Mysore dt

File No. 42
Serial No. 21

Diary No. of letter replied to 1994

Proceedings of the Government of His Highness the Maharaja of Mysore

GENERAL AND REVENUE SECRETARIAT.

, *the* 191

READ—

Letter no C 1321/16-17 dated 22nd December 1916 from the Deputy Commissioner, Mysore dt requesting sanction to purchase a portable pump for baling out water from wells during the course of execution in the Mysore District as the progress of well works is in many cases

over.

Date of issue 4.1.17

Signed by M.B. Subbarao

ORDER THEREON. ~~No.~~

May this be

i printed?

ii treated as a standing order?

iii published in the Gazette English part?

iv translated?

v placed at the disposal of the Press?

vi published in the Gazette Kannada part?

SUBJECT.

GPB—50,000—1-12-12

retarded owing to the presence
of a large quantity of water
in them.

Order. 4293-4RB42-16 dd '7

Sanctioned,

The cost of the pump should
be met from the allotment
for Drinking water wells in
the Mysore Dt for the current
year. And the same intimated
to Govt for information.

4.1.17.

Offg Secy to Govt

Rwdcpt

To

The Dy Commr Mysore Dt
Kommatheri

GEN. & REVENUE SECRETARIAT
TYPING Sec.
8 JAN 1917
G. R. [illegible] 26]

Reminder

File No.

Serial No.

Diary No. of letter replied to .....

No. 4292
NB 342

General and Revenue Secretariat
( )
, the *191*

To
The Director of Industries, Colombo

Date of issue 9.1.17.

Signed by J. B. Calder Clerk

Sir

I am directed to invite your attention to paras 4 & 5 of G.O. No. 35-45 dated 13th Oct. 1916 and to request you to be so good as to expedite the submission of the report therein called for in regard to the machinery for protecting the sides of wells during construction & the staff to take charge of the machinery over.

I have etc

SUBJECT.

for Secy to Govt
Revenue

W.D. 0713—GPB—3,500—27-8-15

...N. & REV. SEC...
...JAN 1917

D 2236/LB 42-16-27

No. 2416

Encl.

Office of the
Director of Industries and Commerce,
"Bedford House," High Ground,

Bangalore.....18th January.....*1917*.

From V. Rangaswamy Iyengar, Esq., B.C.E.,
~~ALFRED CHATTERTON, Esq., F.C.S., M.R.A.C.,~~

Offg: *Director of Industries and Commerce in Mysore,*
Bangalore, (India).

To

The Secretary to the Govt. of H.H.
the Maharaja of Mysore,
Revenue Department
Bangalore.

Sir,

With reference to your letter No.4292-L.B. dated 9th January 1917 regarding the purchase of a Musto patent spring stroke boring plant and a portable pumping plant for experiments in two Malnad districts and 2 maidan districts and with reference to G.O.No.3905-9/L.B.42-16-17 dated 19th December 1916 sanctioning the purchase of another set for the Mysore District, I have the honor to state that I have my own doubts about the utility of the boring plant referred to in Mysore. I am however arranging to purchase one set with a view to try it. When this is done I shall report the result to Government.

I have the honor to be,
Sir,
Your most obedient servant,

V Rangaswamy Iyengar

Offg: Director.

Musto boring plant

G. R. S. 26]

File No. LB 42-16

Serial No.

Diary No. of letter replied to 2241

No. 6385

LB 42-16 of 42-17

General and Revenue Secretariat

( )

, the *191* .

To

The Director of I & C

Date of issue 2.4.17.

Signed by M B Subbaraman

Sir,

In inviting your kind attention to this office letter No. 5060 of 6.2.1917, I am directed to enquire when the result of your experiments with the Musto patent spring stroke boring plant may be expected.

So with what result.

I have &c.

for Secretary to Govt.

Rev. Depty.

SMU. 14.

SUBJECT 20/3/1917

Musto patent boring plant

G. R. S. 26]

File No. LB 42-16

Serial No.

Diary No. of letter replied to 2241.

No. 63434

LB 42 16-
92-4-17

General and Revenue Secretariat

( )

, the *191* .

Date of issue 2-4-17.

Signed by J. W. B. Subba Rau

To

The Deputy Commissioners of

Chitaldrug ~~Kottapoora~~.
Mysore

Sir,

With reference ~~In inviting your kind~~ attention to G. O. No 35-45 dt 13-10-16
" 3905-9 dt 19/12/1916
Sanctioning the purchase of a Musto patent spring shotte boring plant for your district, I am directed to request you to be so good as to submit ~~a report~~ at an early date a report as to how ~~the plant~~ it is working since the plant has been purchased

over.

SUBJECT.

working and ~~by~~ whom it
is being worked in charge
the work

I have &c.

LG

for Secretary to Govt.

Rev: Debt

SHU M.
30/3/1917.

List of enclosures

Copied by

Examined by

GPB—20,000—10-10-14

No. L 7 Mis 2437-16

Office of the Deputy Commissioner,
Mysore District
Mysore, dated 7th A p r i l 1917

From

K. Matthan, Esq.,B.A.,
Deputy Commissioner, Mysore District

To

B. Ramaswamaiyya, Esq.,B.A.,B.L.,
Offg. Secretary to the Government of H.H. the
Maharaja of Mysore, Revenue Department
Bangalore.

Sir,

With reference to your letter No.6383-4 L.B.42-16 dated 2nd instant calling for a report as to whether a musto patent spring stroke - boring plant has been purchased for use in this District, I have the honor to state that the Director of Industries and Commerce, in Mysore has been requested to secure a plant for this District in this office letter No. c.1321 L.B. dated 22 nd December 1916 and no plant has yet been supplied.

I have the honor to be
Sir
Your most obedient servant

Deputy Commissioner,
Mysore District.

GPB—50,000—30-7-15

19

REV. SECRETARIAT
REVENUE
12 APR 1917

From The Deputy Commissioner Kuala Pilah

To The Secretary to the Govt of Negri Sembilan Revenue Department.

Dated 9.4.17 Bahasa

Despatched 10.4.17

Received

General No. C 1321/KB

No.

12 APR 1917

Enclosure No C.H.O. 14/1

Stating that Inspector Patent Spring Stoke boring plan has not as yet been supplie

Transferred to KNV

8
12/4

MAY 1917
Refon Secro 1107
16
E. 7 nei 2676-44 / LB 42-16

Office of the Deputy Commissioner,
Chitaldrug District.
Dated Chitaldrug, 1st May 1917.

From

C. S. Balasundaram Iyer Esquire B.A.,
Deputy Commissioner,
CHITALDRUG.

To

B. Ramaswamaiya Esquire B.A.,B.L.,
Offg: Secretary to the Government of
His Highness the Maharaja of Mysore.
Revenue Department, Bangalore.

SIR,

With reference to your letter No. 6383-4/L.B.42-16 dated 2nd April 1917, I have the honor to invite attention to the terms of Government order 3545/L.B.42-16 dated 13th October 1916 in which the Department of Industries is directed to buy the plant and take certain action. I have recently heard unofficially that the plant has been purchased and is being tried at Bangalore. I must refer you to the Director of Industries for any further information in the matter.

I have the honor to be,
SIR,
Your most obedient servant,

C S Balasundaram Iyer
Deputy Commissioner,
Chitaldrug District.

S.V.

GPB—50,000—25-9-15

1916-17

5 MAY 1917

From The Deputy Commissioner
Chitaldrug Destrict

To The Secretary to Government
Revenue Department,
Bangalore.

Dated

Despatched 2.5.17

Received

General No. Ref on S. C No 11 D 7
No. 16.17

Enclosure No.

Reporting that the Inventor
patent Spirally stamko boiler plant
has been purchased by the Depart-
ment of Industries & is being tried
at Bangalore. Further information on
the subject may be had from the
Director of Industries

Sir 7416 Moustos Boring plant

G. R. S. 26]

File No. LB 42-16.

Serial No. 40

Diary No. of letter replied to 3188

No. 7460

LB 42-16-60

dy 24.5.17

General and Revenue Secretariat

the 191 .

To

The Director of I & C

Bangalore

Date of issue 24.5.17.

Signed by Mr B. J. Kesava Iyengar

Sir,

With reference to your letter No. 4244 dy. 1.5.1917 reporting that the Moustos Boring plant has arrived at Bangalore, I am directed to state that it is presumed that the plant has been purchased with a view to its being supplied to the President Chitaldrug District

over.

SUBJECT.

27/245

Board in accordance with G.O. No. 45 of 13.10.16 and to request that you will be so good as to hand over the ~~machinery~~ same to the President without making necessary arrangements for conducting experiments with it in consultation with him.

The results of the experiments will be awaited with interest.

I have etc.

MK 18/5

for Secy to Govt

Rev. Dept

Memo 7461 of B42-16- of 24.5.17

Copy of the above is forwarded to the President, Kilakung District Board, with reference to the correspondence ending with his letter No. 11 of 1/2nd May 1917 BO

List of enclosures

Copied by

Examined by

GPB—20,000—10-10-14

for Secy to Govt
Rev. Dept

8/5/17

18 JUN 1917
No. 6595
Encl.
GEN. L. FUND. 1 8 JUN 1917
D3740
42-16-43
LB.

W.D. 0713—GPB—3,500—27-8-15

Office of the
Director of Industries and Commerce,
"Bedford House," High Ground,

Bangalore....15th June 1917.191

From V. Rangaswamy Iyengar, Esq., B.C.E.,
~~ALFRED CHATTERTON, Esq., F.C.G.I., C.I.E.,~~
Offg *Director of Industries and Commerce in Mysore,*
Bangalore, (India).

To

The Secretary to Government,

Revenue Department,

Bangalore.

Sir,

With reference to your letter No.7460/L.B.42-16-40 of the 24th May 1917, I have the honor to state that the Musto's Boring Plant has been purchased with a view to its being eventually handed over to the President of Chitaldrug District Board for use in that District.

I have already intimated that the plant requires being experimented upon and I consider it absolutely of no advantage to hand over the Plant to the District Board without training some staff to handle the machinery.

The plant is being worked at Bangalore under my direct instructions and soon after some satisfactory results are achieved it will be despatched to Chitaldrug. Should however Government consider that the plant [redacted] be handed over first without delay to the President of the District Board, prior to attaining any results and training the staff to handle the plant, I shall lose no time in doing so.

I have the honor to be,

S i r,

Your most obedient Servant,

V Rangaswamy Iyengar

Offg.Director.

Rao

W.D. 0713—GPB—3,500—27-8-15

GEN. & REV. SECRETARIAT
22 JUN 1917
No. 4702
Encl. 2
GEN. & REV. SECRETARIAT
L. FUND.
22 JUN 1917
D 3791
Lb 42-16-44

OFFICE OF THE
DIRECTOR OF INDUSTRIES AND COMMERCE,
"BEDFORD HOUSE," HIGH GROUND,

Bangalore.....15th June 1917*91*

FROM V. Rangaswamy Iyengar, Esq., B.C.E.,
~~ALFRED CHATTERTON, Esq., F.C.S., C.I.E.~~,
Offg *Director of Industries and Commerce in Mysore,*
Bangalore, (India).

To

The Secretary to Government,

Revenue Department,

Bangalore.

SIR,

With reference to your letter No.7630 of the 31st May 1917, I have the honor to forward herewith a copy of note on Well Sinking sent to all Deputy Commissioners, for information. Separate proposals will be sent for the staff required for the work after the plant is tried for a sufficiently long time.

I have the honor to be,

S i r,

Your most obedient Servant,

V Rangaswamy Iyengar

Offg. Director.

NOTE ON WELL SINKING.

The Mustos Patent Spring Stroke Boring Plant that has now been ordered is capable of boring 4" holes in any strata such as hard rock, gravel or alluvial soils to any depth up to 250 feet. It is suitable for sinking bore holes in existing wells and in places where water yield is to be tested.

When once the probable yield and the depth at which it can be had are ascertained, arrangements may be made to start sinking a pukka well.

A fairly simple and economical way of sinking a well is by under-pinning where an excavation is first made to such a depth as the strata will allow without falling in. At the bottom of the excavation is laid a wooden curb, 3 to 4" thick whose internal diameter is equal to intended internal diameter of the well a its breadth equal to or a little greater than the thickness of the brick work. On this a cylinder of brick in surki mortar is built. In the centre of the floor is dug a pit 5 to 8 feet deep at the bottom of which is constructed a wooden platform. A number of notches are cut in the side of this pit and several props of sound bamboos or casuarina are inserted, with their lower ends butting against a foot block in bottom of pit and their upper ends against the lowest setting to support the curb with its brick-work. Then the pit is enlarged to the diameter of the cylinder. On the bottom of excavation is laid a new curb on which a new division of brick-work is built giving permanent support to the upper brickwork. The racking props are then removed and the process is repeated until the work is completed.

This method is suitable for all classes of soil. But in the case of very soft soils, another procedure may advantageously be adopted where a V shaped wooden or cement concrete curb is constructed and brickwork to a height of 3 to 4 feet over it is built on the levelled ground at which it is proposed to have a well.

The soil in the floor and under the curb is scooped out unfiformly to a depth of about 4 feet and the curb with its load of brickwork is allowed to go down or sink due to its own weight. It is very important that scooping underneath the curb should be uniformly done as otherwise uneven settlement will result.

In either case, a ~~prchable~~ portable pumping plant is necessary and I am of opinion that a pulsometer steam pump is the pump suitable for this work. This pump is capable of pumping all gritty liquids, has no other moving parts than the valves, can be easily fixed without foundations and can be hung in a well and worked while being lowered. I have herewith furnished an approximate estimate of cost of purchasing the complete plant. If all the seepage water that collects in the well, while under construction, is pumped out promptly, I do not consider any elaborate protection for the sides is necessary. A number of planks of bamboos may prove handy in emergent cases.

ESTIMATE OF PROBABLE COST OF PURCHASING A PORTABLE PUMPING PLANT FOR USE IN SINKING WELL IN THE STATE.

1.	One 6 Horse Power Semi-portable Colonial type-boiler suitable for 100 lbs.working pressure with all necessary pipes,fittings,mountings and bricks for brick lining. (lump-sum)	Rs.1350--0--0.
2.	One Pulsometer steam pump No.3.capable of pumping 4800 gallons per hour with foot valve and strainer. (lump-sum)	Rs. 420--0--0
3.	Special ½" steam hose with unions per foot for a length of 60 feet.	150--0--0
4.	Flexible 3" piping for suction 20 feet.	100--0--0
5.	" 2" " for delivery 10 with unions etc.	300--0--0
6.	½ ton differential pulley block with 100 ft. chain.	100--0--0
7.	Sundries.	50--0--0
	Total:------Rs.2470--0--0	
	or roughly Rs.2500/-	

V Narayana Iyer

Offg. Director.

mao

G. R. S. VI—G[32]

SUBJECT Musto's spraying stroke boring plant to Chitaldrug District.

Diary No. of letter replied to 3740

Section LB 42-16
File No.
Serial No. 46

GENERAL AND REVENUE SECRETARIAT,
( )
, the 191

No. 8199
LB 42-16-

Date of issue 26.6.17.

To
The Director of I & C
Bangalore

Signed by Mr B. J. Rosario Iyengar

Sir,

With reference to your letter No. 6595 dt 15. 6. 1917 enquiring whether the Musto Plant should be sent to the Deputy Commissioner of Chitaldrug prior to obtaining any results of experiments in Bangalore, I am directed to inform you

over.

stating that it is absolutely of no advantage to hand over the Musto Plant to the Chitaldrug DC without training some staff to handle the machinery and enquiring whether the Plant should ~~Chitaldrug~~ be before satisfactory results are achieved at Bangalore when it is being worked under your direct instructions, I am directed to state that this is a matter

that the matters on
which should be arranged
in consultation with the
Deputy Commissioner, Chital Dug District
who is responsible for the
working of the plant suc-
cessfully. Necessary assistance
as regards staff may be
given.

I have &c.

which you should
Consultation with the Deputy
Commissioner
which you should arrange
in consultation with the
Deputy Commissioner who is
responsible for working the
plant successfully
Necessary assistance as regards
staff may be given

for Secretary to Govt
Pol. Dept

MK
23/

DIIIA 2-6-19

List of enclosure

Memo 8200 dt 3-42-16 — 3.26.61

Copy of the above is forwarded
to the Deputy Commissioner, Chital
Darjeeling for information
BO

for Secy to Govt

Copied by

Examined by

W.D.—GPB—60,000—15-11-16